

OIC - NW: COMPETENCE 11

Inspect and Report Defects and Damage to Cargo Spaces, Hatch Cover and Ballast Tanks

1	Shoring under a deck load is usually required when the deck load exceeds how many pounds per square foot?			
	200	350	500	100
2	All of the following are causes of malfunctions of power operated hatch covers EXCEPT:			
	Failure of the hold back mechanism	Failure of the hydraulic pump	Wheels jumping the track	Malfunction of the sequence control
3	An excessive stress that alters or distorts a vessels transverse shape.			
	Racking Strain	Over Strain	Rocking Strain	Over Stress
4	A horizontal division of a vessel from bottom to top. The numbers run from bottom to deck and from deck upwards and are used as a part of the indication of a stowage place for containers.			
	Column	Bay	Tier	Row
5	Where cargoes which by their nature could contaminate other cargoes aboard should be stowed?			
	In the same hold but separated by separation cloth	In a separate hold compartment not showing a common ventilation	In the same hold compartment and with constant air ventilation	In the same hold compartment but separated by dunnage
6	The term used to indicate the immersed body of the vessel forward of the parallel mid-body?			
	Run	Flare	Entrance	Sheer
7	The wooden plug fitted tightly in the vent of a damaged tank may prevent the tank from:			
	water to egress from the tank	filling completely	develop free surface moments	collapsing

8	What connections containers are interconnected horizontally and vertically using single, double and possibly quadruple stacking cones and top tiers?			
	bridge fittings	cargo battens	cells	bay
9	What term is used to describe a tank barge constructed with the structural framing outside the cargo tank and the cargo tank plating separated from the shell plating?			
	Shell plated	Double hull	Hopper type	Independent tank
10	A fitting at the end of a cargo line in a tank that allows suction to be taken close to the bottom of a tank.			
	Suction end	Strainer	Bell-mouth	Vacuum valve
11	A gurgling noise is heard from within a cargo tank when discharging cargo, this would indicate that the:			
	tank liquid is too viscous	pump discharge pressure is excessive	pump is sucking air	tank foot valve is partially clogged
12	A log which is "slab-cut" or ripped lengthwise so that the resulting thick pieces have two opposing, parallel flat sides are called:			
	cant	poles	pulpwood	lumber
13	A pipe leading from the weather deck to a bilge or double bottom tank, down which a sounding rod may be passed to ascertain the amount of water in the compartment.			
	fresh water tank pipe	bilge tank pipe	sounding pipe	ballast water tank pipe
14	A short length of chain cable between anchor and windlass.			
	ganger	ginger	gaff	panama lead
15	A survey may be appointed to certain condition of the cargo before it is loaded are called:			
	Initial survey	Draft survey	On/off hire survey	Pre-shipment survey
16	A vessel which is heeled to an angle of 12 degrees could find itself in a very _____ position.			
	Perilous	safe	upright	seaworthy

17	According to IMO rules, every oil carrier must have a certain segregated ballast capacity to fulfill, what?			
	Enough capacity to secure a certain draft.	To keep 20% of dead-weight capacity.	To the terminals specification.	According to the ship owner's recommendations.
18	All dedicated seawater ballast tanks shall have an _____, such as hard protective coatings or equivalent.			
	efficient corrosion prevention system	efficient anti-fouling system	efficient anti-freezing system	efficient anti-scaling system
19	An inert gas system incorporating a separately fired inert gas generator shall be provided with visual and audible alarms to indicate failure of the power supply to the generator, the automatic control system, and:			
	cooling water flow	insufficient fuel supply	high sea water temperature	combustion air temp too low
20	At what temperature would you expect to carry a fully refrigerated cargo of propane?			
	- 43° C	- 33° C	- 4° C	- 23° C
21	Before entry into a cargo tank which has contained a petroleum product:			
	the tank must be filled with fresh water and emptied	adjacent tanks must be empty	static electricity must be measured	the tank must be tested for sufficient oxygen
22	Each inert gas system must be equipped with the following instruments: oxygen concentration indicator and recorder, pressure indicator and recorder, and temperature indicator. The point of measurement for these instruments must be located:			
	after the gas regulating valve	downstream of the blowers	scrubber outlet	upstream of the liquid filled breaker
23	If you are on duty and observe any situation which presents a safety or pollution hazard during fuel transfer operations what action should you take first?			
	Notify the person in charge from shore	Close the valves at the manifold	Shut down the transfer operation	Close the valves at the manifold
24	It is the procedure of strengthening damaged bulkheads by using wood or steel.			
	bracing	battening	blocking	shoring

25	A block that can be opened at the hook or shackle end to receive a bight of the line is a:			
	snatch block	bight block	gin block	heel block
26	A chemical material, as listed on a Material Safety Data Sheet (MSDS), that can spontaneously burst into flames when exposed to air at temperatures below 130 degrees Fahrenheit with no ignition source needed, is called:			
	explosive	pyrophoric	unstable	flammable
27	A containership has a container displaying a hazardous cargo placard with number 2224 on it. This indicates that it is carrying what cargo?			
	Propadiene, inhibited	Hexanol	Acrylic Acid	Benzonitrile
28	A lining inserted in machinery and in sheaves of blocks to reduce friction and take wear that would otherwise come on member around with a particular item revolves.			
	Bush	Bose	Buss	Bust
29	A product can be wound immediately into coils from the rolling mill whilst still hot.			
	steel coil	steel slab	wire rod coil	steel plates
30	A cargo hold containing cargo such as nitrates, chlorates etc. which produce oxygen under the influence of heat catches fire. How would you deal with this?			
	With this type of material the hatches should not be battened down. The fire can only be extinguished by using large quantities of water	Close the hatches and use the fixed CO2 system	keep the hatch cool by continuously cooling the top of the hatch by flowing seawater	inert the hatch
31	Flame screens are used to:			
	protect firefighters from flames	keep flames and sparks from getting out of an engine's exhaust system	prevent flames from entering tanks	contain flammable fumes

32	In a longitudinally-framed ship, the longitudinally frames are held in place of and supported by athwartship members called:			
	Margin plate	Web frames	Floors	Stringers
33	The amount of water that can enter a compartment or tank after it has been bilged is called:			
	One compartment standard	Center of flotation	Form gain	Permeability
34	The enclosed area defined as the intersection of the surface of the water and the hull of a vessel is the:			
	Amidship Plane	Baseline	Water plane	Longitudinal reference plane
35	The ratio of the amount of water vapor actually in the air to the amount that would be in the air if the air is saturated is:			
	Absolute humidity	Relative humidity	Dew point	Specific humidity
36	To prevent the spread of fire by convection:			
	cool the bulkhead around the fire	remove combustibles from direct exposure	close all openings to the area	shut off all electrical power
37	What is a well in the uppermost deck of a shelter deck vessel which has only a temporary means of closing for the purpose of gaining an exemption from tonnage measurement?			
	cofferdam	tonnage opening	exemption space	tonnage deck
38	Which of the following would have the greatest effect on a vessel's longitudinal strength?			
	Collision damage to the bow forward of the collision bulkhead	Extensive corrosion damage to the centerline deck plating	Grounding damage to the bilge strake just aft of amidship	Damage to the side shall midway between the bilge and the stringer plates
39	A container stuffed or stripped under risk and for account of the shipper and/or the consignee.			
	Full Liner Terms	Container Load	Freight Prepaid	Full Container Load

40	A crew member has been overcome by toxic fumes in the pumproom. Which of the following actions should be taken before entering the pumproom to rescue the victim?			
	Put on an approved self-contained breathing apparatus.	Have someone stand by the entrance.	Wear a lifeline.	All of the mentioned answers
41	A fuel tank is considered to be gas free when the tank is:			
	inerted with carbon dioxide for 24 hours	free of most flammable gas concentrations	thoroughly ventilated for at least 24 hours	free of all dangerous concentrations of flammable or toxic gases
42	A packaging term for transport purposes, consisting of one or more inner packaging secured in an outer packaging.			
	Boxes	Crates	Combination packaging	Composite packaging
43	A petroleum liquid has a flash point of 85F. This liquid is classed as a grade:			
	Low flammable liquid	"D" Combustion liquid	A combustible liquid	High flammable liquid
44	A scale of values Tons per Centimeter, Moment to Change Trim in Centimeters, Displacement and Deadweight for all draft readings is:			
	Displacement scale	Mean Draft values	Deadweight scale	Draft Values
45	A tank or compartment is "gas free" when there is an absence of dangerous concentrations of:			
	all flammable liquids	any combustible liquid	flammable or toxic gases	residues from cargo oil
46	A transmitter is placed in the hold while a hand-held detector on the weather deck is moved around the joint areas of closed openings is called:			
	Chalk Testing	Ultrasonic Testing	Oxygen Testing	Gas Testing
47	A vessel is constructed with a steel hull and an aluminum superstructure. Which statement is TRUE?			
	The steel at the area of the aluminum to steel must be closely spaced	The aluminum will provide greater resistance to the spread of fire by conduction	The aluminum structure is usually attached to a steel coaming	If the superstructure is stressed, an aluminum structure is replaced

48	A virtual rise in the center of gravity of a vessel may be caused by:			
	emptying a partially filled tank	filling a partially filled tank	transferring pipe from the setback area to the pipe rack	using fuel from a pressed fuel tank
49	According to the Code of Safe Practices for Ship's Carrying Timber Deck Cargoes, which of the following is not included in the term "Timber"?			
	pulp wood	sawn wood	cant	wood pulp
50	A "Heterogeneous cargo" refer to: I. A bulk carrier loaded with steel II. A bulk carrier loaded with heavy ore			
	Both I and II	I only	II only	Neither I and II
51	A bracket between a frame or stiffener at the end of a beam is called:			
	Beam line	Beam knee	Beam transom	Beam bracket
52	A careful inspection for _____ should be carried out after dealing with spillage or highly corrosive materials.			
	radiation	personnel	structural damage	All of mentioned answers
53	A chemical material, as listed on a Material Safety Data Sheet (MSDS) that can undergo a sudden and violent release of pressure and heat is called:			
	combustible	explosive	Flammable	toxic
54	A claim for cargo damages may be held against the ship owner if such damage is the result of failure of the ship's officers to:			
	correct all defects in the ship's construction	ensure the fitness and safety of cargo spaces	ensure adequate packaging of the cargo	prevent delays due to quarantine restrictions
55	A continued worsening of the list or trim indicates.			
	an immediate need to ballast	negative GM	progressive flooding	structural failure

56	A continuous watertight bulkhead on a vessel is normally also a(n):			
	structural bulkhead	exterior bulkhead	centerline bulkhead	joiner bulkhead
57	A flat block placed under the end of a wooden shore for the purpose of distributing pressure against a damaged structure is referred to as a:			
	gusset	joist	web	strongback
58	A fore and aft strength member connecting the athwartships floors is the:			
	longitudinal	center girder	keel	lightening holes
59	A heavy angle iron running fore and aft the length of the ship located on top of the keel plate.			
	king beam	keel rake	keelson	keel plate
60	A hygroscopic cargo is defined as a cargo:			
	that is shipped in a liquid state	capable of giving off moisture in the form of a liquid	capable of absorbing moisture in the form of a gas	that will ignite in contact with water
61	A large type of anchor carried in the bow of a vessel is called:			
	Kedge	Sea	Bower	Stream
62	A liquid, as listed on a Material Safety Data Sheet (MSDS), having a flash point below 100 degrees Fahrenheit is called a/an:			
	viscous liquid	explosive liquid	combustible liquid	flammable liquid
63	A loose rail on the ship's side.			
	portable beam	stanchion	portable rail	pillars
64	A metal cover for a glass porthole is:			
	fashion plate	cover plate	deadlight	port cover

65	A method of making a rope where the lay of the wires in the strand is opposite to the lay of the strands in the rope.			
	Lang's Lay	Equal Lay	Cross Lay	Ordinary Lay
66	A permanent installation in a shipyard which is a basin with walls and a floor which vessel maybe floated:			
	Graving dock	Marine railways	Slip ways	Floating caissons
67	A piece of securing dunnage that runs from a low supporting level up to the cargo at an angle is called:			
	a distance piece	lashing	shoring	tomming
68	A Plan showing the location of cargoes stowed inside the hold:			
	Stowage plan	Loading plan	Discharging plan	General arrangement plan
69	A portable traverse beam placed across a cargo hatchway that acts as a bearer to support the hatch covers.			
	Hatch Cleats	Pontoons	Hatch Beams	Hatch Boards
70	A property relating to the ability of a metal to withstand continuing changes in the direction of application of the stress.			
	Hardness	Fatigue Strength	Toughness	Strength Equation
71	A reproductive health hazard, listed on a Material Safety Data Sheet (MSDS), that can damage the fetus during development is called a:			
	Pyrophoric	teratogen	mutagen	cryogenic
72	A semi-automatic tool for handling unitized pulp bales w/out baskets. It has two locating tongues, one at each end so that it cannot slip off.			
	Wire clamp	Multi grab	Bale clamp	Grab bucket
73	A sheave is a:			
	line to hold a lifeboat next to the embarkation deck	groove wheel in a block	partial load of grain	seaman's knife

74	A single fitting installed in a pipeline that either blanks off the pipe or allows a full flow passage of a liquid through the pipe is referred to as a:			
	blind flange	pivot coupling	spectacle flange	quick release coupling
75	A snatch block is a:			
	hinged block	block used only with manila rope	chock roller	strong block used for short, sharp pulls
76	A spreader bar is used in handling cargoes in container to:			
	protect the upper part of the load	increase the lifting capacity	increase the lifting radius	protect the slings
77	A tank filled by the deck service line which supplies sanitary water by gravity.			
	service tank	slop tank	sanitary tank	bilge
78	A tank which has been sealed for a long period of time can be dangerous because:			
	steel surfaces consume oxygen by rusting	sealed tanks usually form a vacuum	moisture condenses in the tank, displacing the oxygen	most tank coatings give off poisonous vapors in the presence of moisture
79	A term called composed of two or more substance that have a definite proportion of masses.			
	Mixed substance	Mixture	Compound	Pure substance
80	A term in ship's ballast management means a process or mechanical, physical, chemical or biological method to kill, remove or render infertile, harmful or potentially harmful organisms within ballast water.			
	Prevention	Treatment	Remove	Elimination
81	A term that refers to any cargo space in which, after loading and trimming as required under A10.2, the bulk grain is at its highest possible.			
	Filled compartment, trimmed	Unfilled compartment, trimmed	Filled compartment, untrimmed	Unfilled compartment, untrimmed

82	A vessel has an amidships superstructure. Which location would be most suitable for main deck stowage of vehicles?			
	beside the hatches, forward of midships house	on top of the hatch immediately aft of the midships house	on top of the aftermost hatch on the vessel	on top of no. 1 hatch
83	A vessel is proceeding along the English Coast when it sprang a leak on the hull below the waterline. Efforts to patch her proved futile. It was added to ditch her to the nearest shoal. This is termed as:			
	ditching	stranding	beaching	grounding
84	A vessel that is experiencing strong wind on the port beam, this has the same effect on the stability as:			
	Weight that is off center to starboard	Increasing the draft	Reducing the freeboard	Increasing the trim
85	A vessel would most likely develop a list if you were:			
	burning fuel from a centerline tank	using water from two equally sized tanks on either side of the centerline simultaneously	using fuel from tanks on the port side only	using water from the fore peak tank
86	A vessel's stability is greatly reduced by liquid free surface. Which of the listed conditions would develop the greatest adverse effect?			
	Tanks which are 95% full.	Tanks which have been pressed up to full capacity.	Tanks which have been completely emptied.	Tanks which are 40% full.
87	A void or empty space between two bulkheads or floors which prevents leakage from one to the other is called a:			
	Cofferdam	Break	Bracket	Double hull
88	A wooden blocks or dunnage place between a deck load and the deck.			
	Cribbing	shoring	lashing	tomming
89	About how many degrees does the optimum lashing angle against tipping it?			
	45-60 degrees	55-70 degrees	60-75 degrees	30-45 degrees

90	According to regulations, cargo pump rooms, on the tank vessels handling grades A, B, or C liquid cargo, shall be equipped with power ventilation of the exhaust type having capacity sufficient to effect a complete change of air in not more than:			
	1 minute	2 minutes	3 minutes	5 minutes
91	Adding which of the following will increase the strength of the deck?			
	Sheer	hatch beam	deck beam brackets	camber
92	After allowing for pressure losses, the pressure-volume capacity of an inert gas blower must be able to maintain a pressure, in any cargo tank, at a minimum of:			
	50 millimeters of water pressure	100 millimeters of water pressure	150 millimeters of water pressure	200 millimeters of water pressure
93	All dedicated seawater ballast tanks shall have an _____, such as hard protective coatings or equivalent.			
	efficient corrosion prevention system	efficient anti-fouling system	efficient anti freezing system	efficient anti-scaling system
94	All lashings and components used for securing should possess a breaking strength of not less than:			
	183Kn	153 Kn	123 Kn	133 Kn
95	An acceptable method of temporarily sealing a crack formed in the hull of a vessel is to:			
	apply a patch of sheet packing backed by a strongback or shole and shoring	drill holes at each end	shore up the crack with welded braces	tack weld a doubler plate over the crack
96	An adverse effects due to free surface.			
	A portion of the liquid is removed from a full tanks	The vessel's is draft is decreased exposing more surface are to the wind and current	The vessel's draft increases this increasing the vessel's water plane area	The vessel is trimmed by the stern

97	An arrangement of piping and hoses used to control vapour emissions collected from a tanker, and includes the vapour collection system and the vapour processing unit.			
	Terminal vapour collection	Vapour Emission Control System	Vapour Dispersion unit	Tanker vapour connection
98	An identifiable amount of containers stowed in an orderly way in one specified place on an (ocean) terminal, container freight station, container yard or depot.			
	Stack	Slot	Spreader	Cell
99	An inert gas system is designed to reduce the possibility of tank explosions by:			
	eliminating sparks and fire in the vicinity of cargo tanks	removing all hydrocarbon gases from the cargo tanks	blanketing cargo tanks with inert foam	reducing the oxygen concentration below levels necessary for combustion
100	An item of mooring equipment used to maintain or change the direction of a rope or wire in order to provide a straight lead to winch drum.			
	Panting	Fairlead	Topping wire	Windlass
101	Angle irons used to strengthen a bulkhead.			
	bulwark	coaming	air holes	bulkhead stiffeners
102	Any procedure using welding, fusing, melting and heating works are generally termed as:			
	Cold work	Welding process	Heating work	Hot work
103	As the displacement of a vessel increases, the detrimental effect on free surface will:			
	remain constant	increase	none of the choices	Decrease
104	At what temperature would you expect to carry a fully refrigerated cargo of ammonia?			
	- 33° C	- 43° C	- 23° C	- 53° C

105	Ballast lines to deep tanks should be:			
	blanked prior to loading dry cargoes	flooded to keep pumps primed	flushed weekly	ultrasonically tested annually
106	Ballast tanks are subjected to a sea water and therefore needs special corrosion protection, the most commonly used are:			
	anode protection only	coating protection only	cathodic and coating protection	cathodic protection only
107	Before entering a fuel tank that has been cleaned, it should be checked with an oxygen indicator and a/an:			
	Orsat apparatus	flame safety lamp	Halide torch	combustible gas indicator
108	Bilge keels are more effective at dampening the ship's rolling as the:			
	list increases	pitching increases	rolling increases	draft decreases
109	Bilge wells must be covered to _____ before loading grain in bulk.			
	prevent cargos shifting to the bilge well.	Permit rapid flow of water to the bilge well.	Prevent oil, water or other liquid from reaching the cargo	Add strength to the bilge well strainer
110	Bilges of cargo holds should be regularly sounded. Bilge soundings indicates:			
	the amount of condensation in the hold	whether the cargo is leaking or not	whether the ship is taking in water	All of these
111	Boxes of bananas are loaded in Puerto Limon bound for Rotterdam. What happens when a carrying temperature of 10 degrees Celsius is maintained throughout the voyage? I. bananas are chilled II. black spots appear under the peel III. bananas will ripen			
	Both II and III	Both I and II	Both I and III	I only
112	Calculated Grain Heeling Moments individually, they must be _____ to obtain Grain Heeling Moment.			
	Multiplied	subtracted	divided	summed

113	Damaged bulkheads often take a permanent set which is independent of the panting or bulge caused by water pressure. To control this, you should:			
	install shoring so that it pushes on the damaged bulkhead while supporting it	install shoring so the shoring supports the damaged bulkheads without pushing on them	place sandbags by the bulkhead without installing shores	use jacks or chain falls to remove the set before installing shores
114	Eductors are used within oil tanker cargo operations for:			
	commencing cargo discharge	cargo stripping	heating the cargo	commencing cargo loading
115	Having the same length and breadth, a ratio between the area of the waterplane and that of a rectangle.			
	Block Coefficient of Fineness of Displacement	Coefficient of Fineness of the Midships Section	Coefficient of Fineness of a waterplane	Prismatic coefficient of Fineness of Displacement
116	How are double-bottom tanks filled?			
	They are pumped in	They are gravitated in	They are pumped out	They are gravitated out
117	If reefer space are not properly cleaned prior to loading cargoes, it will most likely cause:			
	refrigeration temperature will not be attained	contamination of the cargo	malfunction of the refrigeration machinery	mold to develop on commodities
118	If you increased the number of slack liquid tanks, it will have the effect of raising the:			
	metacentric height	Virtual height of the center of gravity	Uncorrected KG	Metacenter
119	In a ship construction, it is the outer strake of the inner bottom on each side of the ship is:			
	Rider plate	Margin plate	Outer plate	Stealer plate
120	Ship's officers should check every cargo compartment after it is filled with bulk grain to ensure:			
	all void spaces are filled	all lighting circuits are energized	the heavier grade of cargo is in the lower hold	the correct grade of cargo has been loaded

121	On a tanker vessel, what is the required combined capacity of the inert gas generating system as compared to the total capacity of all the cargo pumps which can be operated simultaneously?			
	105%	152%	105%	125%
122	Petroleum cargo tanks should not be topped off at deck level when loading on a cold day because:			
	the increase viscosity of the product requires higher loading pressure which increase the chances of a spill	the tank valve may be stiff and a spill will occur before the valve can be closed	a subsequent temperature rise will cause the cargo to overflow	all packets may cause the cargo to bubble of the slage hole
123	Repairing damage to the hull of a vessel at or above the waterline reduces the threat of:			
	free surface effects	continued progressive flooding	capsizing the vessel	wind overturning moments
124	Small oil spills on deck can be prevented from contaminating any waters by:			
	plugging all scuppers and drains	placing floating booms around the ship	regularly emptying all drip pans	thoroughly draining all bunkering hoses
125	Sweat damage will occur in a cargo hold containing cased machinery when the:			
	air temperature of the hold is higher than the temperature of the outside air	dew point of the hold is higher than the temperature of the ship's skin	dew point of the outside air is lower than the temperature of the cargo	outside air temperature is colder than the temperature of the cargo
126	The discharge side of every fire pump must be provided with a:			
	gate valve	check valve	pressure gage	strainer
127	The distance from the bottom of the keel to the deck line.			
	draft of the ship	Depth of ship	ship's freeboard	none of the choices

128	The internal volume of a cargo hold measured from the inside of the side shell, the underside of the deck, and the top tank is known as the:			
	Deadweight space	Measurement space	Gross tonnage	Grain cubic
129	The joint formed when two steel plates are placed end to end.			
	Bevel	butt	seam	bond
130	The joint formed when two steel plates are placed longitudinally side to side is called a:			
	Bond	Seam	Strake	Bevel
131	The lowest temperature at which a liquid will give off sufficient vapors to form a flammable mixture with air is known as the:			
	Lower explosive limit	Flash point	Threshold limit value	Fire point
132	The most important figure in calculating the free surface of a tank carrying liquid is:			
	length	depth	displacement	Breadth1
133	The purpose of the devils claw is to:			
	prevent the windlass from engaging	control the wildcat	prevent the chain from fouling on deck	act as a chain stopper
134	The term "scantling" refers to the:			
	Size of cargo loading gear	Requirement of the vessel's gear	Measurement of structural member	Placement of the vessel's loadline
135	The vertical distance measured from the upper edge of the deckline to the waterline is called:			
	freeboard deck	freeboard	deckline	statutory freeboard
136	The weight of the container and its contents is supported on deck by what parts?			
	Four lower corner casting	Bottom side and end rails	Bottom flooring and end panels	Bottom flooring only

137	This refers to the measurements of structural members.			
	pillar shape	carling	wale shores	scantlings
138	To determine the weight capacity of a deck in a cargo hold, you would refer to the:			
	deck capacity plan	deadweight scale	cubic capacity tables	general arrangement plan
139	To insure proper seating when closing a valve on a tank, the valve should be:			
	closed against the stop and the locking pin inserted	closed, opened a half turn, and then closed again	set up as tight as possible by hand	set up tight using a valve wrench
140	To measure equivalent units, how long is the standard container used?			
	3 meters	6 meters	5 meters	7 meters
141	Vertical rollers one or more on a steel base which may fasten directly to the deck and bulwarks.			
	Multi-angle fairlead	Roller fairlead	Pedestal fairlead	Panama fairlead
142	What bulkheads subdivides the ship into independent compartments to limit the extent for flooding?			
	Compartment	Accommodation	Transverse watertight	Longitudinal
143	What can cause a lack of oxygen in a chain locker?			
	oxidation	Osmosis	evaporation	Absorption
144	What descriptive term indicates that the dimension is measured from the inner face of the shell or deck plating?			
	Effective	Molded	Register	Tonnage
145	What do you call the effect of the "movement of liquid" in a slack tank?			
	Bow wave effect	Rolling period effect	The open surface effect	Free surface effects

146	What does a bilge soundings indicate?			
	the amount of condensation in the hold	whether the cargo is leaking or not	whether the vessel is taking on water	All of the above
147	What is a door so constructed that, when closed, it will prevent water under pressure from passing through?			
	Sliding Door	Watertight Door	Weathertight Door	Air-Tight Door
148	What is used aboardship to stiffen areas under points of great stress between beams?			
	belt gauge	caisson	carling	wale shores
149	What shape that circular type pillar that gives the greatest strength for the least weight?			
	beam pillar	scantlings	octagon shape	pillar shape
150	What term indicates the transverse curvature of the deck?			
	Flare	Camber	Deadrise	Slope
151	What would be prima facie evidence of unseaworthiness?			
	Overcarriage	Overloading	Overstowage	Overbooking
152	When considering a vessel's stability, which spaces in a general cargo vessel are the best locations for the carriage of bulk grain?			
	Lower holds	Deep tanks	Lower holds at the ends of the vessel	Tween-decks
153	Which is an advantage of using watertight longitudinal divisions in double bottom tanks?			
	it reduces free surface effect	increases the rolling period	decreases the weight due to less stiffeners	lowers the center of gravity without decreasing the GM

154	Which of the following space(s) is(are) deducted from gross tonnage to derive net tonnage?			
	Chart room	Companions and booby hatches	Ballast tanks	Open structures
155	Which type of weld testing can be used to detect internal flaws?			
	Magnetic particle	Chemical reaction	Dye penetrant	Radiographic
156	With the buttress securing system, containers of different heights must be stowed:			
	in the hold	on the bottom tier on deck	on the top tier	next to the buttress tower
157	A term that refers to any cargo space in which, after loading and trimming as required under A10.2, the bulk grain is at its highest possible.			
	Filled compartment, untrimmed	Unfilled compartment, trimmed	Unfilled compartment, untrimmed	Filled compartment, trimmed